

RECOMBINANT DNA TECHNOLOGY (15 DAYS)

- ❖ Introduction of molecular biology lab, Tools & equipments.
- ❖ Basic calculation and solution preparation
- ❖ Isolation of DNA from Plant & Bacteria
- ❖ Quantitative estimation of DNA by Spectrophotometer
- ❖ Quantitative estimation of DNA by Diphenylamine method
- ❖ Determination Melting Temperature
- ❖ DNA gel electrophoresis
- ❖ DNA digestion, Mapping & DNA ligation
- ❖ Southern blotting
- ❖ Isolation of Plasmid/vector
- ❖ Preparation of competent cells
- ❖ Transformation of bacteria
- ❖ Blue/White selection

